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**ELECTROMAGNETIC ACTIVATION OF GENE EXPRESSION  
AND CELL GROWTH**

**ABSTRACT OF THE DISCLOSURE**

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The invention is directed to a method for accelerating the cell cycle by delivering to a cell an effective amount of electromagnetic energy. The invention also provides a method for activating a cell cycle regulator by delivering to a cell an effective amount of electromagnetic energy. Also provided by the invention is a method for activating a signal transduction protein; a method for activating a transcription factor; a method for activating a DNA synthesis protein; and a method for activating a Receptor. A method for inhibiting an angiotensin receptor as well as a method for reducing inflammation also are provided by the present invention. The invention also is directed to a method for replacing damaged neuronal tissue as well as a method for stimulating growth of administered cells.

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